

THAYLO, V.S.

✓ Methods of synthesis of dimethyl tar phthalate. A. A. Kaimov and V. S. Khalilov

2

V S

Acidimetric analysis of nitro compounds
p. 100 and 101. Summary
Karl Fischer reagent ultra-dry
change of pH of 1.5
of 1.0 (100 ml) only increases
quant. results with ultra-dry
reagent. Change of pH
interference with the
interference with the

ms-1

83505

3/064/60/000/005/007/009
B015/B058

11.7100
AUTHORS:

Brandt, B. B., Matov, L. A., Rozlovskiy, A. I.,
Khaylov, V. S.

TITLE:

Explosion Danger in Mixtures of Nitrogen Oxides^{||} With
Combustible Gases and Vapors. Mixtures With Nitrous
Oxide at Atmospheric Pressure

PERIODICAL: Khimicheskaya promyshlennost', 1960, No. 5, pp. 67 - 73

TEXT: The processing of gaseous products developing from nitration^{||} and oxidation of various hydrocarbons by means of nitric acid (Table 1) is discussed and it is stated that explosive gas mixtures can develop in this case. It is pointed out that methods applied at present for evaluating the combustibility of gas mixtures containing several components are inadequate, and a method of classifying the combustion properties^{||} of gas mixtures with more than 3 components is proposed, in which the dependence of the critical value of the coefficient α of the oxidizing-agent excess on the total content of the inert components is determined, and an "upper" limit of gas ignition is defined. Data supplied by

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BRANDT, B.B.; MATOV, L.A.; ROZLOVSKIY, A.I.; KHAYLOV, V.S.

Explosion hazard of mixtures of nitrogen oxides with fuel gases
and vapors. Khim.prom. no.5:419-425 J1-Ag '60.

(MIRA 13:9)

(Nitrogen oxide) (Gases)

(Explosions)

86677

S/064/60/000/008/004/008
B020/B060

15.8103

AUTHORS: Artem'yev, A. A., Strepikhayev, Yu. A., Babkin, B. M.,
Khaylov, V. S., Romanovskiy, V. I.

TITLE: A Commercial Process of Esterifying Terephthalic Acid

PERIODICAL: Khimicheskaya promyshlennost', 1960, No. 8, pp. 9-15

TEXT: The present paper offers the principal results obtained by the authors from their laboratory method for the noncatalytic esterification of terephthalic acid and relative checking in the pilot plant. Fig. 1 shows the dependence of the esterification rate on temperature, and Fig. 2 the dependence of the esterification degree on pressure at 250°C. Fig. 3 illustrates the dependence of the esterification degree on the terephthalic acid : methanol ratio at 250°C, and Fig. 4, the dependence of the solubility of terephthalic acid in methyl alcohol on the monomethyl terephthalate content at 20°C. The dependence of the esterification degree on the water content in the reaction mixture and on the duration of process at 250°C is illustrated in Fig. 5. Table 1 gives the composition of the products for different esterification degrees, while Fig. 6 graphically depicts

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A Commercial Process of Esterifying
Terephthalic Acid

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B020/B060

the dependence of the composition of products on the esterification degree. Fig. 7 shows the dependence of the composition of terephthalic acid esterification products on the duration of process at 250°C. Table 2 gives composition, amount, and yield of esterification products of terephthalic acid in the presence of monomethyl terephthalate for various processing times. Fig. 8 is a graph illustrating the dependence of esterification degree on temperature under the conditions of the continuous and periodic procedures. Because spiral-tube reaction apparatus are very voluminous, a multiple-thread double-tube apparatus was designed, built, and tested (Fig. 9). Based on data obtained in the laboratory, a pilot plant was projected and set up for the esterification of terephthalic acid (diagram of Fig. 10). The plant consists of three main elements: 1) for the preparation of the initial suspension, 2) for the esterification proper, and 3) for the purification of dimethyl terephthalate by recrystallization. There are 10 figures, 2 tables, and 18 references: 2 Soviet, 6 US, 3 German, 2 British, 1 Polish, 1 Chinese, 1 French, 1 Japanese, and 1 Danish.

Card 2/2

ARTEM'YEV, A.A.; STREPIKHNYEV, Yu.A.; HARKIN, B.M.; KHAYLOV, V.S.;
ROMANOVSKIY, V.I.

Industrial method for the esterification of terephthalic acid.
Khim.prom. no.8:627-633 D '60. (MIRA 13:12)
(Terephthalic acid)

20512

S/064/61/000/003/00./009
B101/B203

11.1180

AUTHORS: Brandt, B. B., Rozlovskiy, A. I., Khaylov, V. S.

TITLE: Explosion hazard of mixtures of nitric oxides with combustible gases or vapors. Mixtures of nitric oxide and nitrogen peroxide at atmospheric pressure

PERIODICAL: Khimicheskaya promyshlennost', no. 3, 1961, 56-62

TEXT: To eliminate the explosion hazard in the nitration and oxidation of hydrocarbons by means of nitric acid, the authors studied the flash points of mixtures of hydrocarbons and nitric oxides. An earlier paper (Ref. 1: B. B. Brandt et al. Khim.prom.No.5,412 (1960)) had already reported on the flash points of mixtures with N_2O . In the present investigation, the authors studied mixtures containing NO , $NO+N_2O$, or NO_2 by the same method. To characterize the inflammation properties they determined, as indicated in Ref. 1, the coefficient α of the excess oxidizing agent and the percentage $[N_2]$ of the inert component. All inert components were

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B101/B203

Explosion hazard of mixtures ...

regarded as nitrogen. 1) The experimental data for mixtures of n-butane, cyclohexane, p-xylene, and benzene with NO are shown in Fig. 5. This figure also contains data obtained by other researchers (o): 1) Methane, 2) n-butane, 3) CO. The narrower inflammation ranges found by other researchers are explained by too weak intensity of ignition. Fig. 6 shows that the inflammation range of NO is narrower than that of N₂O, but that there is no basic difference between the two oxides. 2) When determining the flash points of cyclohexane in a mixture with NO + N₂O, the molar fraction β of NO was kept constant, and the critical value of α determined at different [N₂]. Fig. 9 compiles the results. Fig. 10 shows the extinguishing value [N₂]_{crit} as a function of β . It is concluded that a summational determination of nitric oxides is sufficient for judging the explosion hazard. Since N₂O + NO are not inflamed as easily as mixtures containing only one of these components, a certain margin of safety is available. 3) When studying the inflammability of mixtures with NO₂, reference is made to papers by E. B. Hodge (Ref. 7: Ind.Eng.Chem.,

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B101/B203

Explosion hazard of mixtures ...

30,1393, (1938)) and N. M. Emanuel' (Ref. 8: Izv.AN SSSR, OKhN, No.7,764 (1956)). To facilitate the interpretation of data, full dissociation of N_2O_4 was assumed. The authors studied the inflammability of the mixtures $NO_2 + C_6H_{12} + N_2$ and $NO_2 + CO + N_2$. The dosing of components was made by measuring their partial pressure by means of a mercury manometer. The Hg surface was protected by Vaseline oil. The CO stored above water was dried by bubbling with 65% H_2SO_4 . The mixtures still contained about 0.1% of water vapor. Electric ignition of the mixtures with NO_2 did not lead to high pressure rise. The limits of inflammability were indistinct. This peculiarity is explained by a formation of N_2O_5 and O_3 under the action of electric current. Data are compiled in Fig. 13. The fact that α_{crit} for $C_6H_{12} + NO_2$ is smaller than for the mixture $C_6H_{12} + NO$ cannot be explained by endothermic dissociation of N_2O_4 , since the latter changes the heat effect by 10% only. Gradual deoxidation of NO_2 is assumed.

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Explosion hazard of mixtures ...

$2\text{NO}_2 \longrightarrow 2\text{NO} + \text{O}_2$; $2\text{NO} \longrightarrow \text{N}_2 + \text{O}_2$. Therefore, the final stage is the reaction of C_6H_{12} with NO . L. A. Matov assisted in the experiments. Ya. N. Nasirov is mentioned. There are 13 figures and 12 references: 6 Soviet-bloc and 6 non-Soviet-bloc.

Legend to Fig. 5: 1) n-butane.
2) Cyclohexane. 3) p-xylene.
4) Benzene.

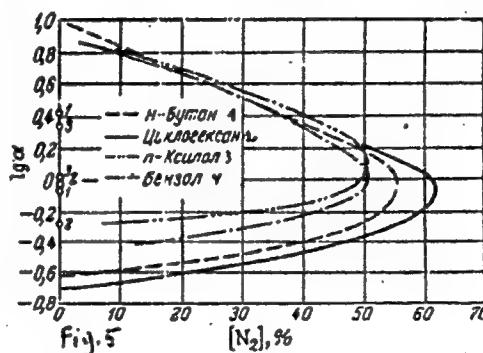


Fig. 5

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Explosion hazard of mixtures ...

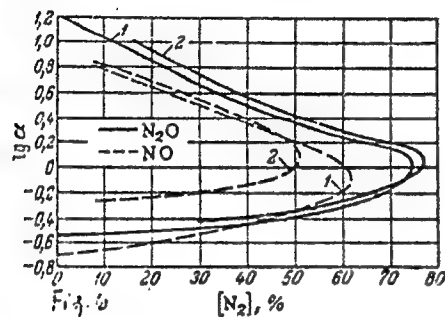


Fig. 6

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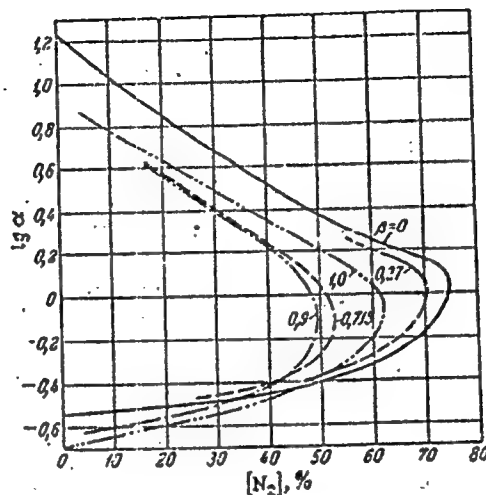


Fig. 9

APPROVED FOR RELEASE: 09/17/2001

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CIA-RDP86-00513R000721920011

Explosion hazard of mixtures ...

S/064/61/000/003/007/009
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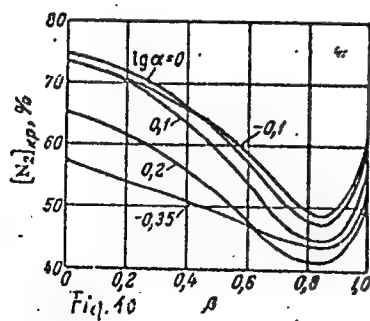


Fig. 10

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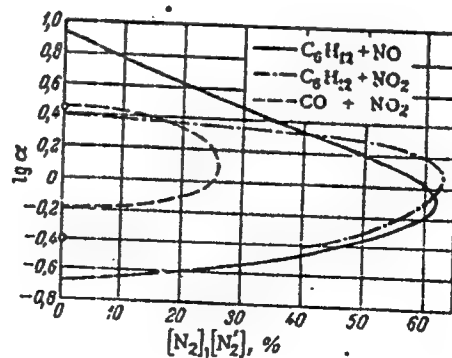


Fig. 13

BRANDT, B.B; ROZLOVSKIY, A.I.; KHAYLOV, V.S.; Prinimal uchastiye: MATOV, L.A.

Explosiveness of mixtures of nitrogen oxides with combustible gases
and vapors. Khim.prom. no.3:204-210 Mr '61. (MIRA 14:3)
(Nitrogen oxide)

DYNIN, F.M., inzh.; KHAYLO, V.S., inzh.

Removal of dust and fluff in textile enterprises. Mekh. 1
avtom. proizv. 18 no.7:17-20 J1 '64. (MIRA 17:9)

BRANDT, H.P.; KAZLOVSKIY, A.I.; STRICHEVSKIY, I.I.; KHAYLOV, V.S.

Explosion hazards of the mixtures of nitrogen oxides with combustible gases and vapors. Khim.prom. 41 no.4:39-44 Ap '65.

(MIRA 18:8)

1. 23582-66 EWT(m)/EWP(j)/T RM
ACC NO AP600 5285 (A)

SOURCE CODE: LF 041.46/001/001/001/001/001

Authors: Khaylov, V. S.; Artem'yev, A. A.; Orakimyan, G. B.; Zmizhikov, V. A.;
Khaylov, G. P.

ORG: none

TITLE: Method of preparing E-caprolactam, Class 12, No. 177421

SOURCE: Izobreteniya, promyshlennyye obraztzy, tovarnyye znaki, no. 1, 1966, 25

TOPIC TAGS: caprolactam nitration

ABSTRACT: An Author Certificate has been issued describing a method for preparing E-caprolactam for cyclohexane by liquid-phase nitration with nitric acid and hydrogen reduction of the nitrocyclohexane on metallic copper in a medium of cyclohexane and liquid ammonia. To reduce processing time, the tubular reactor is pressure-fed cyclohexane (50-150 atm) plus 25 -- 45% nitric acid in a 1.4 -- 0.5 molar ratio. At the reactor outlet, the reaction mixture is rapidly cooled to 25 -- 300 without lowering the pressure the nitrocyclohexane is then separated from the mixture by conventional methods and reduced, within 40 -- 45 min at 180 -- 200 atm and a temperature which is gradually increased from 80 -- 850 to 115 -- 1200, to cyclohexanone oxime which is subsequently converted to E-caprolactam by conventional methods. To ensure a constant temperature of 200 -- 2500, the reactor walls at the inlet are washed

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UDC: 547.466.3.07

L 23582-66

ACC NR: AP6005283

with a cold liquid circulated from the point of the outlet of the hot reaction mixture
to the point of admission of the cold mixture. [ID]

SUB CODE: 07/ SUBM DATE: 21Jul54/

Card 2/2

L 02399-67 EWT(m)/T DJ/JXT/GD
ACC NR: AT6015205 (A,N) SOURCE CODE: UR/0000/66/000/000/0126/0130

AUTHOR: Yudina, G. I.; Khaylova, V. N.

ORG: None

TITLE: Methods for determining autoignition temperatures of oil

SOURCE: Metody otsenki ekspluatatsionnykh svoystv reaktivnykh topliv i smazochnykh materialov (Methods for the performance evaluation of jet propellants and lubricants). Moscow, Izd-vo Mashinostroyeniye, 1966, 126-130

TOPIC TAGS: autoignition, temperature measurement, lubricating oil, thermocouple, test method

ABSTRACT: The authors discuss the results of a comparative study of three general methods used for determining the autoignition temperatures of aviation oil. The object of the study is to select the most efficient method. The three methods studied are the Yench method, the "drop" method and a method developed by the Scientific Research Institute of the Civil Air Fleet. The Yench method is characterized by the fact that autoignition temperature is determined at a constant oil-to-air ratio without the necessity for considering oil type. A description is given for the apparatus used in the Yench method. This equipment consists of an electric furnace with an ignition crucible in the form of a large metallic cylinder with four chambers. Three of these

Card 1/3

UDC: 662.753.32:629.13.001.4

L 02399-67

ACC NR: AT6015205 APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721920011-8

chambers contain cups made from stainless steel and the fourth chamber contains a thermocouple. All chambers are connected by an air or oxygen channel. After energizing the electric furnace, the oil to be tested is fed into the cups at 5° intervals starting 100°C below the assumed autoignition temperature. Air is simultaneously introduced at a rate of 100 cm³/min and the point of ignition is recorded. The lowest temperature at which ignition takes place is assumed to be the autoignition point. The experiment is repeated several times to ensure accuracy. The "drop" method is characterized by the fact that the quantity of oil has to be considered before the experiment. This is done by starting with an oil-air mixture with the lowest autoignition temperature for the given oil. The apparatus used for this method consists of a quartz beaker located in a slotted electric furnace made from cast steel with a ceramic covering and annular channels for the heating coil. The top of the beaker has two openings -- one for introducing drops of oil and the other for a thermocouple. The electric furnace is heated to 100-150°C above the expected autoignition temperature and oil is introduced into the reaction zone as the furnace is cooled. Ignition is observed through a vertical slot. The apparatus of the Scientific Research Institute of the Civil Air Fleet consists of a plate made from stainless refractory steel 3-4 mm thick located on an electric plate and covered by a double jacket. The air space within the double jacket acts as insulation. This method provides simultaneous measurements of the gas phase temperature at a given distance from the plate by using a thermometer, and the metal plate temperature by using a thermocouple. The metal plate is heated to 20-50°C above the expected autoignition temperature and cooled as

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L 02399-67

ACC NR: AT6015205

0.2 cm³ doses of oil are added at 5° intervals through a special opening. The auto-ignition point is established as the 5° interval which does not produce autoignition. A comparison of the methods shows that the "drop" method is by far the most accurate and has the following advantages: simplicity of equipment and ease of operation; because of the accepted ratio between air and oil, this method may be used to determine the lowest temperature at which autoignition can occur. These conditions ensure a better selection of lubricating materials for operational uses. The results achieved by the "drop" method are in agreement with other reliable parallel methods. Orig. art. has: 3 figures, 2 tables.

SUB CODE: 21/ SUBM DATE: 10Dec65/ ORIG REF: 002

Card 3/3

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721920011-8

SHCHEGOLEV, Konstantin Vladimirovich, kand. tekhn. nauk; ~~Prinimale~~
Sergeyevich; KHAYLOVICH, Yuriy Aleksandrovich. Prinimale
uchastnye BOLTINA, M.V.; KOMENDANT, K., red.; BABIL'CHANOVA, G.,
tekhn. red.

[Chemical purification of industrial waste waters] Khimicheskaya
ochistka promyshlennykh stochnykh vod. Kiev. Gos. izd-vo lit-ry
po stroit. i arkhitekt. USSR, 1961. 91 p. (MIRA 14:4)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut vodo-
snabzheniya, kanalizatsii, gidrotekhnicheskikh sooruzheniy i
inzhenernoy gidrologii. Ukrainskoye otdeleniye.
(Sewage--Purification)

KHAYLOVICH, Yu.A., kand. tekhn. nauk; DUDA, Ya.V.; ASKRETKOV, N.N.

Wet purification of the gas of a closed electric furnace for
making silicomanganese. Met. i gornorud. prom. no.3:33-34
My-Je '65. (MIRA 18:11)

KIRICHENKO, A.G. [Kyrychenko, O.H.]; NEVZOROV, M.I.; ROKSHEVSKAYA, A.V.
~~[Rokshevs'ka, A.V.]~~; KHAYLOVICH, Yu.A. [Khailovych, IU.O.]. kand.
tekhn. nauk

Problems of waste water purification and sewage in the Chernigov
Factory for the Primary Processing of wool. Leh. prom. no.4:
36-39 O-D '65. (MIRA 19:1)

KHAYLOVICH, Yu. A. [Khailovych, I.U.A.], kand. tekhn. nauk; TARASENKO,
V. Ye. [Tarasenko, V. IE.]

Purification of waste waters from the production of para-
nitroaniline and beta-aminoanthraquinone. Khim.prom. [Ukr.]
no. 1:23-25 Ja-Mr '65. (MIRA 18:4)

DISHKA, D.; KHAYMASHI, T.

Vibration testing of the resistance to fatigue in fabrics.
Tekst.prom. 19 no.1:82-86 Ja '59. (MIRA 12:1)

1. Issledovatel'skiy institut tekstil'noy promyshlennosti,
Budapesht.
(Textile fabrics--Testing) (Vibration)

KHAYME, TS. P. Patologoanatomicheskiy Otchet Po Psikhicheskoy Pol'nitse Im,
Kashenko V G, Moskva Za 1946 G.-Sm25318

SO: Letopis' No. 33, 1949

KHAYME, Ts. B.

Khayme, Ts. B. - "The pathomorphology of psychosis in polypous endocarditis," Trudy Tsent. in-ta psikiatrii, Vol. IV, 1949, p.214-21

SO: 4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

KHAYE, Ts.B.K.

25317 KHAYE, Ts. B.K. Patologicheskiy An. to 11 Olokachestvennoy
Gipertonii S Paikhichenkimi Narusheniyami. Stornik Nauch. Robot Paikhiatr.
Bol'nitsy IM. Kashchenko. No. 6, 1949. 31 116-26

SO: Letopis' No. 33, 1949

KHAYE, Ts.B.

25918 Patologoanatomicheskiy Otchet Po Psikhiatricheskoy Bol'nitse IM.
Kashchenko Vg. Moskve Za 1949 G. Proektora Ts. B. Khayne. Sbornik Nauch.
Robot Psikhiatr. Bol'nitsy IM. Kashchenko, No. 6, 1949. S. 243078

SO: Letopis' No. 33, 1949

KHAYME, TS. B.

KHAYME, TS.B.; SHMYROVA, V.S. (Moskva)

Complications following antirabic vaccination [with summary in English]. Arkh.pat. 19 no.11:69-77 '57. (MIRA 11:1)

1. Iz Moskovskoy psikhonevrologicheskoy gerodskoy klinicheskoy bol'nitsy imeni Kashchenko (glavnyy vrach A.L.Andreyev)
(RABBIES, prevention and control,
vacc., post-vacc. compl. (Rus))
(VACCINES AND VACCINATION, complications,
rabies (Rus))

KHAYME, TS.B. (Moskva)

Pathological anatomy and pathogenesis of brain complications
in bronchial asthma. Arkh. pat. 24 no.9:65-69 '62.

(MIRA 17:4)

1. Iz Moskovskoy psikhonevrologicheskoy bol'nitsy No.1 imeni
P.P. Kashchenko (glavnyy vrach A.L. Andreyev).

SMIRNOV, M.V.; KHAYMENOV, A.P.

Theoretical computation of the emf of galvanic cells with molten salt electrolytes exemplified by Be solid BeCl_2 + fused Cl_2 ($\text{Cl}_2(\text{gas})$), C(graphite). Dokl. AN SSSR 158 no.5:1172-1175 0 1(4.

(MIRA 17:10)

1. Institut elektrokhimii Ural'skogo filiala AN SSSR. Predstavleno akademikom A.N.Frankinyam.

L-24285-66

ENT(m)/ENF(t)

IJP(c)

JD/JW/JG

ACC NR: AF007006

SOURCE CODE: JR/00,1/66/020/002/0330/0332

AUTHOR: Druzhinin, V. V.; Khaymenov, A. P.

ORG: none

TITLE: On the calculation of the spectrum of Sm^{2+} and SrF_2

SOURCE: Optika i spektroskopiya, v. 20, no. 2, 1966, 330-332

TOPIC TAGS: samarium, strontium compound, perturbation method, multiplet splitting, optic spectrum, crystal symmetry, epr spectrum

ABSTRACT: The spectrum was calculated in the approximation where the field inside the crystal is assumed weak, by determining the eigenvalues of the Hamiltonian of the impurity ion by perturbation theory. The energy differences between the components of the multiplet are evaluated in first order perturbation theory, and the field is regarded as the sum of two fields, one with high symmetry (cubic or hexagonal) and one with low symmetry which is considered as a perturbation. In the particular case of Sm^{2+} in SrF_2 , the Sm^{2+} ion is surrounded by eight F^- ions producing a field of cubic symmetry. The expansion coefficients for this case are calculated and their ratio is found to be of the order of 10 which has been obtained from EPR data for Sm^{2+} in CaF_2 . The difference is attributed to the need for taking into account the j-j coupling and the need for including a second-order approximation. It is shown that the level energies in the crystal field depend on two parameters, $A_{40}(r^4)$ and $A_{60}(r^6)$, for which values -2770 cm^{-1} and $+900 \text{ cm}^{-1}$ are obtained. Orig. art. has: 12 formulas and 1 table.

SUB CODE: 20/

SUBM DATE: 09Mar65/

ORIG REF: 005/

OTH REF: 005

Card 1/1 JV

DOC: 535.33.001.1

STAMOV-VITKOVSKIY, A. (Moskva); MOSHCHAKOV, V. (Moskva); GETSOV, G. (Moskva)
BYUNOSOV, Yu. (Tyumen'); GONZOV, V. (Orenburg); LAKHOTIN, A. (Moskva)
KHAYMOV, B.; MAL'TSEV, N. (Orel); MAKSIMOV, D. (Leningrad);
MOKROBORODOV, V. (Sverdlovsk)

Advice from the experienced. Za rul. 19 no.12:18-20 D '61.
(MIRA 14:12)

1. Stantsiya Perlovskaya, Moskovskaya obl. (for Khaymov).
(Motor vehicles—Maintenance and repair)

KHAYMOV, G.M., brigadnyy inzhener

Rewinding of a generator stator. Energetik. 13 no.9:37 S '65.
(MIRA 18:9)

1. Gosudarstvennyy trest po organizatsii i ratsionalizatsii
rayonnykh elektrostantsiy i setey.

TRUMBACEV, V.R. [Trumbachev, V.F.], DrSc.; CHAYMOVA-MAIMOVA, R.I. [Khaymova-Malkova, R.I.], ins.

Effect of the coefficient of lateral resistance on the stability of mine openings. Uhl 7 no.1:31-34 '65.

1. A.A.Skochinskiy Institute of Mining, Moscow.

S/019/60/000/020/009/211
A154/OA26

AUTHORS: Sheftal', N.N., Stepanov, I.V., Vasil'yeva, M.A., Kha~~mov~~-Mal'kov,
V.Ya.

TITLE: A Device for the Accelerated Growing of Crystals From Melt

PERIODICAL: Byulleten' izobreteniy, 1960, No. 20, p. 13

TEXT: Class 12c, 2. No. 132614 (645071/23 of Nov 25, 1959). This device for the accelerated growing of crystals from melt by the method of lowering a crucible heated in a vertical tubular furnace with a heated upper part and an unheated lower part is distinguished by the fact that in the lower unheated part of the furnace is placed a cooled vessel containing fusible metal and provided with a drain and a receiver for the metal flowing out of the vessel when the crucible with the crystallized substance is immersed in it. ✓

Card 1/1

S/019/60/000/020/008/211
A154/OA26

AUTHORS: Sheftal', N.N., Stepanov I.V., Vasil'yeva, M.A.,
Khaimov-Mal'kov, V.Ya.

TITLE: A Device for the Accelerated Growing of Crystals From Melt

PERIODICAL: Byulleten' izobreteniy, 1960, No. 20, p. 13

TEXT: Class 12c, 2. No. 132613 (645071/23 of Nov 25, 1959). This device for the accelerated growing of crystals from melt by the method of lowering a crucible heated in a vertical tubular furnace with a heated upper part and an unheated lower part and a massive metal ring-diaphragm in the lower part of the unheated zone of the furnace is distinguished by the fact that, in order to accelerate the growth of pure crystals, the ring-diaphragm is cooled by a circulating liquid or gas medium.

Card 1/1

KHAYMOVICH, A.

LASHCHUK, I.; KHAYMOVICH, A.; MARKIN, I.; KOPCHENOV, V.

The best construction workers. Stroitel' no.11:6 N '57.

(MIRA 10:12)

1. Brigadir kompleksnoy brigady santekhnikov, Stroyupravleniye
No. 74, Orel.

(Construction workers)

124-1957-1-30

Translation from: Reterativnyy zhurnal. Mekhanika, 1957, Nr 1, p 4 (USSR)

AUTHOR: Khaymovich, Adol'f

TITLE: On the Mechanics of a Variable Mass Particle (K voprosu o mekhanike tochki peremennoy massy)

PERIODICAL: Zh. matem. i fiz. Akad. RNR, 1954, Vol 3, pp 28-34

ABSTRACT: The equations of motion of a variable-mass particle are written for the case when the mass m of the particle is a function of the time t and the position function $\varphi(x, v, z)$. The investigation covers the motion for particular cases of the function φ .

V. A. Sarychev

1. Masses--Functional analysis

Card 1/1

20-5-9/54

AUTHOR: KHAYMOVICH, A.

TITLE: On Some Applications of a Theorem of F. Riesz (O nekotorykh prilozheniyakh odnoy teoremy F. Rissa)

PERIODICAL: Doklady Akademii Nauk ^{SSSR}, 1957, Vol.117, Nr 5, pp.763-764 (USSR)

ABSTRACT: The author shows that it is possible with the aid of a theorem of Riesz (On the integral representation of the solutions of $Au = f$) under the assumption of the existence and uniqueness of the solution to prove directly in certain cases the existence of the Green function and of the resolvent respectively. 2 Soviet and 3 foreign references are quoted.

ASSOCIATION: Mathematical Seminar imeni A. Miller of Iasi University, Iasi, Roumania. (Matematicheskiy seminar imeni A. Millera Yasskogo universiteta, Yassy, Rumyniya)

PRESENTED: By S.L. Sobolev, Academician, 26 October 1956

SUBMITTED: 22 October 1956

AVAILABLE: Library of Congress

Card 1/1

66403

SOV/20-128-6-9/63

16(1) 16.5600

AUTHOR: Khaymovich, A.

TITLE: Equivalency of Two Spaces Having Affine Connectivity

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 6, pp 1132-1134 (USSR)

ABSTRACT: Two spaces with an affine connectivity are called equivalent if between them there exists a two times differentiable homeomorphism for which the parallelism remains preserved. The problem of equivalence leads to the integration of the system

$$(1) \quad \frac{\partial^2 u^i}{\partial x^h \partial x^k} + \Gamma_{hk}^a \frac{\partial u^i}{\partial x^a} = \overline{\Gamma}_{ab}^i \frac{\partial u^a}{\partial x^h} \frac{\partial u^b}{\partial x^k},$$

where Γ_{hk}^a and $\overline{\Gamma}_{ab}^i$ are functions of the class C^1 defined and bounded on the number spaces E_n and E'_n and which cause the schlicht transformation $u^i = u^i(x^r)$ of E_n onto E'_n . The author gives sufficient conditions for the existence of solutions of a

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"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721920011-8

KRAYMOVICH, A. I.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721920011-8"

KHAYMOVICH, A.I.

96-58-2-12/23

AUTHORS: Mamet, A.P., Doctor of Technical Sciences, Khaymovich, A.I.
and Dubinskaya, P.A., Engineers

TITLE: **Regeneration of Activated Carbon Used to Remove Oil from**
Condensate (Regeneratsiya uglya, primenyayemogo dlya obezmaslivaniya
kondensata)

PERIODICAL: Teploenergetika, 1958, No. 2, pp. 61 - 63 (USSR)

ABSTRACT: This article describes the conditions of regeneration of oily charcoal by alkalis, alkali reagents and benzole. The alkaline solutions were used hot and the benzole cold. The volume of liquid used for each treatment equalled the volume of oily charcoal. The effectiveness of regeneration was estimated both by the remanent oil content in the charcoal as determined by extraction with ether, and also by the oil-absorbing capacity of the regenerated charcoal under practical conditions. The charcoal was grade 6AY from one of the filters used to de-oil condensate in the Moscow Automobile Works (Moskovskiy avtozavod). Mean values of laboratory test results for the various conditions of treatment are given in Table 1. The addition of wetting agent to the alkaline solutions did not make them more effective. If the treatment with alkali solutions is continued too long, the oil, already emulsified by the alkali, becomes oxidised and the oxidation products are again adsorbed

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96-58-2-12/23
Regeneration of Activated Carbon Used to Remove Oil from Condensate

on the activated charcoal.

The most active reagent at concentrations of the order of 5-6% was trisodium phosphate. Sodium hydroxide, whether alone or mixed with phosphate, gave less successful results. Good results were obtained with benzole, but as the consumption was very high, this method would only be acceptable in coke or chemical works that produce pure benzole, where the contaminated benzole could be recovered.

With all the methods of treatment, the oil is easily removed, but for the last traces. Thus, the process is quicker and cheaper if perfection is not aimed at.

The oil-absorbing capacity of the regenerated charcoal under practical conditions was verified on the condensate de-oiling plant of the Automobile Works. Three experimental filters were made of steel pipe 50 mm diameter and 1 500 mm long. One was filled with fresh activated charcoal, another with charcoal reactivated by boiling three times for 7 hours in a 6% solution of Na_3PO_4 and the third with charcoal regenerated by benzole.

When the tests were over, the filters still continued to absorb oil and were not saturated. The test results are given in

Table 2. Although the charcoals had absorbed oil equivalent to

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96-58-2-12/23

The Regeneration of Activated Carbon Used to Remove Oil from
Condensate

15% of their own weight, they remained effective. The distribution of absorbed oil on the harcoal over the height of the filter is illustrated graphically and figures are given in Table 3. The fresh and regenerated charcoal had almost the same ability to absorb oil.

The effectiveness of multiple regeneration was not tried.

However, even a single regeneration of charcoal can save a good deal of money. When regenerating with benzole, the cost of the loss per ton of charcoal is about 500 - 600 roubles. Treatment with Na_2PO_4 costs about 250 roubles and a ton of new charcoal 3 000 roubles.

There are 1 figure, 3 tables and 2 Russian references.

ASSOCIATION: Tsentrenergochermet

AVAILABLE: Library of Congress

Card 3/3 1. Carbon-Regeneration

Khaymovich, A.L.
KHAYMOVICH, A.L.; NOVIKOV, V.K., inzh.

Evaluating the results of power utilization. Prom.energ. 12
no.8:36-37 Ag '57. (MIRA 10:10)

1.Zavod im. Serova (for Khaymovich)
(Electric power)

KHAYMOVICH, I.I.

Casting insulation parts from MSN plastic. Av.prom. 26 no.8:
25-26 Ag '57. (MIRA 15:4)
(Plastics—Molding)

110

Ca

PROCESSES AND PROPERTIES INDEX

The nitrogen composition of histolyzates. N. G. Gerasimov and L. A. Khaimovich. *Alim. Med.* (U. S. S. R.) 16, 160 (1930); *Chem. Zentr.* 1930, II, 3141. The same manner of prepn. of histolyzates assures typical correlation of the quant. N compn. Expts. indicated that hydrolyzates are best prepd. by thorough splitting up of the proteins.

M. G. Moore

ASD-51A METALLURGICAL LITERATURE CLASSIFICATION

112

The consumption of carbohydrates in the tissues of the diabetic organism. S. G. Genes, L. A. Khaimovich and T. S. Vekusheva. *Bull. biol. med. exp. U. R. S. S. 348-51 (1968) (in English).* --The femoral muscles (I), intestinal wall (II), kidneys, spleen (III) and in some cases the lungs of diabetic (pancrectomized) dogs are capable of resorbing large amts. of sugar from the blood. I, II and III of normal and diabetic dogs liberate lactic acid into the blood, but no proportionality between this and sugar content was observed. S. A. Karjala

1119

ca

Effect of chronic insulinization and subsequent overloading with carbohydrates on the carbohydrate content of the brain and some other tissues in rats. L. A. Kha'movich. *Biochem. J. (Ukraine)* 16, 557-63 in Russian, 1974; in English, 564-53 (1974). — Introduction of repeated increased doses of insulin, with subsequent overloading with carbohydrates, leads to an accumulation of glycogen in the brain, liver and muscle tissues; the lactic acid remains about the same in the brain and drops in the muscles. The study was undertaken to det. the effects of insulin in *diabetes* therapy.

H. Gutoff

KUDRYN, L. N. - 1)

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Biological Chemistry

②
The effect of the chronic insulinization with subsequent carbohydrate administration on the phosphatide content, total phosphorus, and cholesterol in the rat brain. L. A. Khafimovich (Central Psychoneurol. Inst., Kharkov). *Ukrain. Biokh. Zhur.* 18, 223-4 (in Russian, 218; in English, 229) (1946) - Rats of 200-250 g wt got repeatedly $\frac{1}{m}$ unit of insulin, till they had received altogether 6.8-0.8 units. Then they received an intramuscular injection of 40% invert sugar or glucose, and were decapitated 2-3 days later. The brain was analyzed, and, in comparison to blank expts., the amount of acid phosphatides in the dry substance increased from 0.12 to 0.82%, and the unsatd. ones from 0.408 to 0.48%. The total P increased from 2.37 to 2.52%, and the cholesterol from 2.07 to 2.47%. These findings may be called upon to explain the action of insulin in the shock treatment of schizophrenia. *R. J.*

KHAYMOVICH, L.A.

Activity of some enzymes in schizophrenic patients. Zhur.nevr.i
psikh. 62 no.8:1205-1210 Ag '62. (MIRA 15:12)

1. Laboratoriya biokhimi Ukrainskogo nauchno-issledovatel'skogo
psikhonevrologicheskogo instituta (dir. P.I.Kvalenko), Khar'kov.
(SCHIZOPHRENIA) (BLOOD ANALYSIS AND CHEMISTRY)
(ENZYMES)

BOBROV, O.D.; ADAMYAN, A.P.; KHAYMOVICH, L.I., red.

[Technology and properties of insulating gas silicates; practices of the Volgograd Combine of Sand-Lime Building Materials] Tekhnologiya i svoistva teploizoliatsionnykh gazosilikatov; iz opyta raboty Volgogradskogo kombinata silikatnykh stroitel'nykh materialov, Volgograd, Volgogradskoe knizhnoe izd-vo, 1963. 25 p. (MIRA 17:5)

KHAYMOVICH, M.G.

~~Uniform system of planned preventive repair and maintenance~~
of technological equipment in shoe factories. Kosh.-obuv.
prom. 5 no.5:1Q-15 My '63. (MIRA 16:5)

(Shoe factories—Equipment and supplies)

KHAYMOVICH, M.G.

Organize centralized repairing of shoe machinery. Kozh.-obuv. prom.
no.11:6-7 N '59. (MIRA 13:3)
. (Shoe machinery--Maintenance and repair)

VAYNTRUB, V.K.; KHAYMOVICH, M.G.; SLUTSKIY, A.P.

Efficient design of the speed reducer and variator. Kozh.-obuv.
prom. 3 no.2:16-18 F '61. (MIRA 14:4)

(Conveying machinery)
(Shoe industry—Equipment and supplies)

KHAYMOVICH, M.L.

Data from a clinical and physiological examination of persons subjected to the prolonged effect of noise. Gig.i san. 25 no.9:32-36 S '60.
(MIRA 13:9)

1. Iz kafedry gigiyeny truda s kliniki professional'nykh zabolevaniy
Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.
(NOISE—PHYSIOLOGICAL EFFECT) (NERVOUS SYSTEM)

KHAYMOVICH, M.L.

Effect of noise on the central nervous system in workers employed
in nail production. Gig.i san. 26 no.1:139-146 Ja '61.
(MIRA 14:6)

(NERVOUS SYSTEM) (NOISE—PHYSIOLOGICAL EFFECT)
(REFLEX CONDITIONED) (OCCUPATIONAL DISEASES)

ARTAMONOVA, V.G.; ZUYEV, G.I.; KHAYMOVICH, M.L.

Characteristics of vibration pathology in persons working
on vibrational compaction of concrete. Trudy LSGMI 75:74-
80 '63. (MIRA 17:4)

1. Kafedra gigiyeny truda s klinikoy professional'nykh
zabolevaniy (zav. kafedroy - prof. Ye.TS. Andreyeva -
Galanina) Leningradskogo sanitarno-gigiyenicheskogo me-
ditsinskogo instituta.

ARTAMONOVA, V.G.; ZUYEV, G.I.; KHAYMOVICH, M.L.

Some clinicophysiological data on the hygienic evaluation of
new types of riveting hammers. Trudy LSGMI 75:119-124 '63.

(MIRA 17:4)

1. Kafedra gigiyeny truda s klinikoy professional'nykh
zabolevaniy (zav. kafedroy - prof. Ye.TS. Andreyeva-
Galanina) Leningradskogo sanitarno-gigiyenicheskogo me-
ditsinskogo instituta.

KHAYMOVICH, M.L.

Effect of noise on the hearing organ in workers employed in nail
production. Gig.i san. 26 no.1:147-150 Ja '61. (MIRA 14:6)
(NOISE—PHYSIOLOGICAL EFFECT) (DEAFNESS)

KHAYMOVICH, M.L.

Initial manifestations of chronic manganese poisoning. Kaz.
med.zhur. no.3:102-104 My-Je'63. (MIRA 16:9)

1. Angarskiy nauchno-issledovatel'skiy institut gigiyeny
truda i professional'nykh zabolevaniy (direktor - dotsent
I.V. Olyunin).
(MANGANESE --TOXICOLOGY)

BELANOVSKIY, Nikolay Grigor'yevich; YAKUSHIN, Leonid Leonidovich;
KHAYMOVICH, Moysay Shmulevich; KASPERSKAYA, Ye., red.; GUSAROV,
K., tekhn.red.

[Handbook for the shoe machinery operator] Spravochnik mekhanika-
obuvshchika. Kiev, Gos.izd-vo tekhn.lit-ry USSR, 1960. 426 p.
(MIRA 13:5)

(Shoe machinery)

BLIZEYEV, V.I.; MALYSHEVA, V.V.; KHAYMOVICH, M.Ye.

Angarsk Section of the All-Union Society of Hygienists and
Sanitary Physicians. Gig. i san. 26 no.7:121 JI '61. (MIRA 15:6)
(ANGARSK--PUBLIC HEALTH SOCIETIES)

L 2694-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)/ETC(m) WW/DJ

ACCESSION NR: AT5022818

UR/3165/65/000/001/0130/0140

AUTHOR: Khaymovich, M. Ye. (Engineer)

TITLE: Analysis of the effect of the parameters of the regulator on the uniformity of the flow rate through a regulator equipped throttle

Ukrainian. Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Mashinostroyeniye i gidroprivedeniye, no. 1, 1966, pp. 1-4, 11 refs. in English. Investigation of hydraulic devices, flow control, automatic control equipment, flow rate, flow regulator

ABSTRACT: The author studied two throttle systems used in hydraulic flow regulating mechanisms. System 1 employs a G55-27 or a G55-31 regulator, and System 2 employs a G55-1 regulator, but has no safety valve. The following results were obtained: 1) the nonuniformity of the effective flow rate increases with an increase in the range of the flow and the pressure; 2) the non-uniformity of any flow rates in the systems examined may be diminished by lowering the rigidity of the spring and increasing the area of the valve, which leads to a decrease in the speed response of the regulator, especially at small flow rates; 3) the axial hydrodynamic force increases its influence at large flow rates.

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ACCESSION NR: AT5022818

flow rates and pressure; 4) the presence of positive and negative nonuniformity indicates that there is an optimum at which the nonuniformity is close to zero; 5) nonuniformity in System 1 at minimum flow rates increases considerably with an increase in the radial gap, the width of the slot, the pressure drop on the slot of the regulator, a decrease in the rated flow rate, and stabilized pressure drop at the choke; 6) System 2 assures stability of the pressure drop at the throttle; and 7) the more exact formulas presented make it possible to evaluate the effect of the parameters within the limits specified and the accuracy of the formulas derived, and also to avoid the errors encountered in previously used methods. Orig. art. has: 3 figures, 1 table, and 27 formulae.

ASSOCIATION: none

SUBMITTED: 00

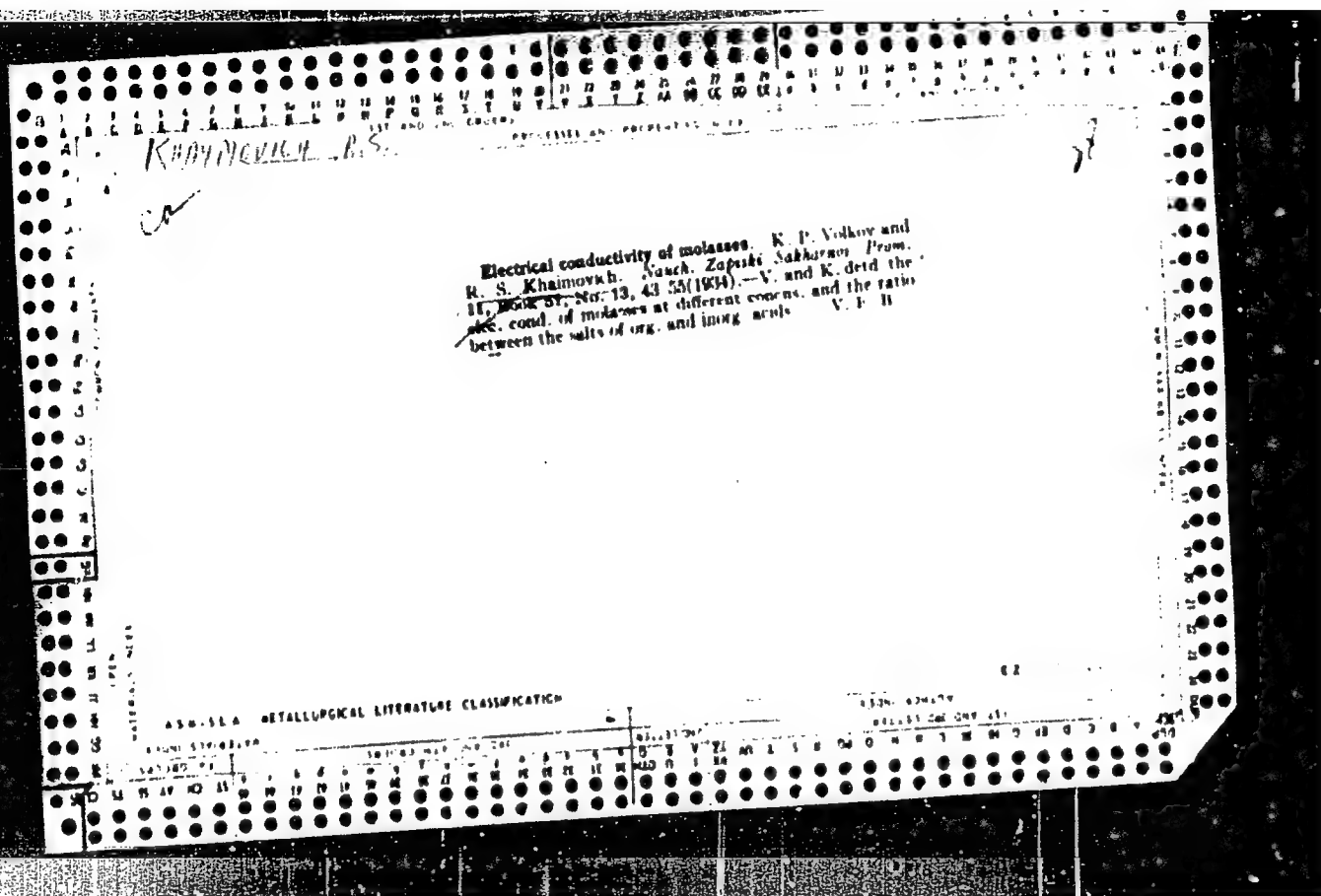
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OTHER: 000

Card 2/2



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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

100 AND 8TH ORDERS

Check Library

Check Materials Index

Check Processes and Properties Index

Check 100 and 8th Orders

Utilization of the Method of Fractional Leaching of Amalgams for Polarographic Determination of Small Concentrations of Low-Melting-Point Metals. (In Russian.) V. A. Tsimmergaki and R. S. Khaimoyikh. *Zavodskaya Laboratoriya* (Factory Laboratory), v. 14, Nov. 1948, p. 1313-1318.

The possibility of determining Zn in Cd and Pb at concentrations of 0.0005-0.001% and also small amounts of Pb in Bi was established. Typical results are tabulated and polarograms are presented.

ASS-ILA METALLURGICAL LITERATURE CLASSIFICATION

FROM SOURCE

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100 AND 8TH ORDERS

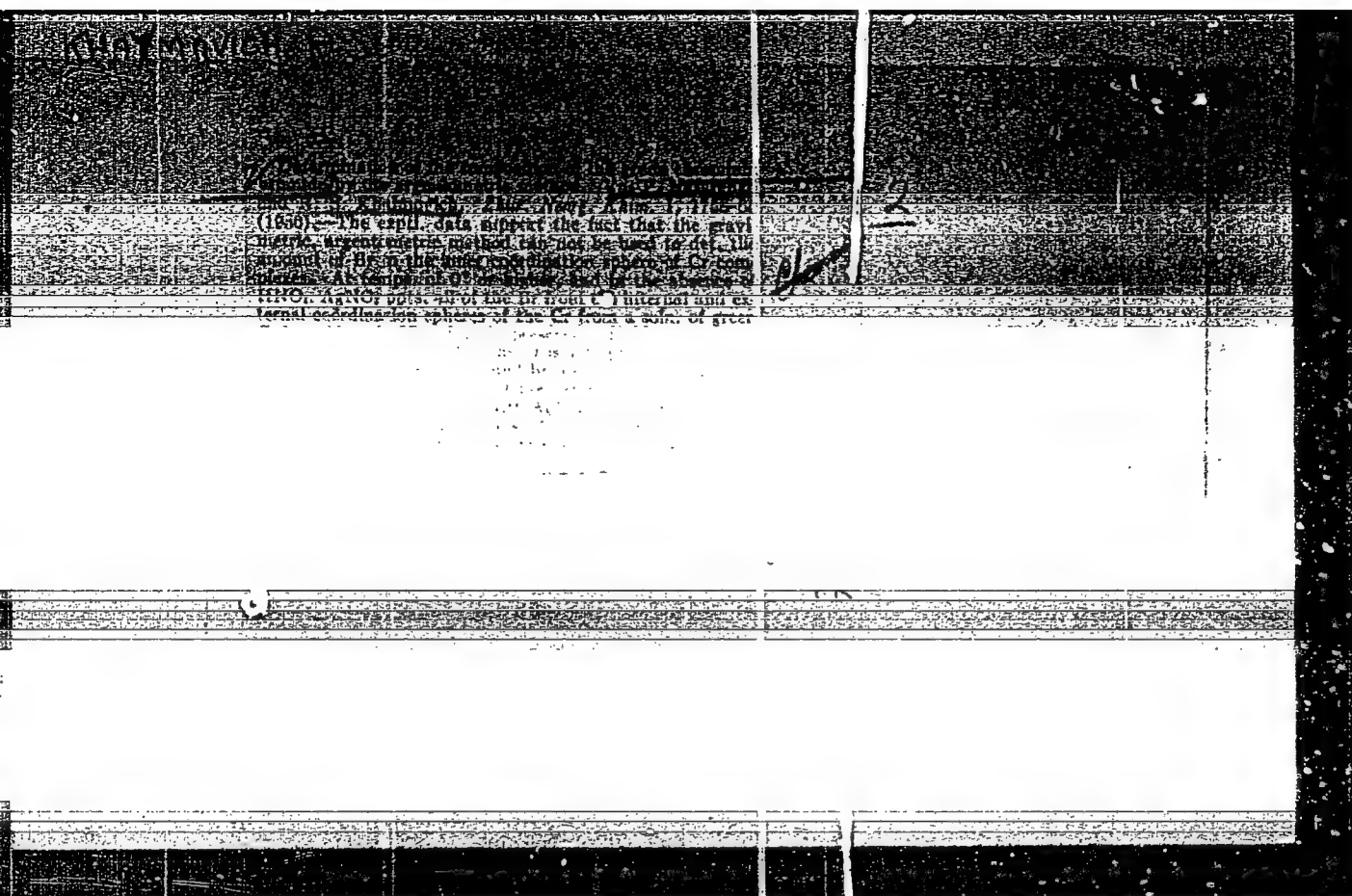
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Determination of electrode potentials of metals in molten bromides with
the aid of glass-sodium electrode. Ukrain. Khim. Zhur. 15, 340-50 '49.
(CA 47 no.15:7349 '53) (MLRA 5:6)

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Potentials of zinc, cadmium, lead, tin, and bismuth amalgams during their titration. Ukr.khim.shur.17 no.1:103-117 '51. (MIRA 9:9)

1. Institut obshchey i neorganicheskoy khimii Akademii nauk Ukrainaskey SSR. (Amalgams) (Titration)



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"Description of Machine-Tool Potentials"
Stanki i Instrument, 12, No. 1, 1941

Report U-1503, 4 Oct. 1951

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Author of Book on Machine Tools, "Gidroprivody V Metallorazhushchikh Stankakh".
To be published in 1941.

Soviet Source: N: Mashinostroyeniye No. 2 (Moscow, 4 Jan. 41)
Abstracted in USAF "Treasure Island", on file in Library of Congress, Air
Information Division, Report No. 85946. UNCLASSIFIED.

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Gidravlicheskie privody metallorazhnyshchikh stankovl Moskva, Mashgiz, 1947. 487,
(1) p. diags.

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DLC: TJL230.K45

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
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Frezernoie delo. Odobreno ... v kachestve uchebnika dlia remesl. i
zhel-dor. uchilishch. Moskva, Mashgiz, 1948. 358 p. diagrs. (Uchebniki
dlia remeslennykh i zheleznodorozhnykh uchilishch.)

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DLC: TJ1225.N47

SO: Manufacturing and Mechanical Engineering in the Soviet Union,
Library of Congress, 1953

KHAIMOVICH, E. M.

Author: Khaimovich, E. M.

Title: The hydroautomatic system of copying machines. (Gidroavtomatika kopiroval'nykh stankov.) 234 p.

City: Kiev

Publisher:

~~Publications~~ State Printing House of Technical Literature.

Date: 1950

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 3, No. 1 2, Page 840

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KOROLEV, F.K., dotsent, kandidat tekhnicheskikh nauk; BONDAR', M.P.,
kandidat tekhnicheskikh nauk, redaktor; GAL'PERIN, Ye.I., inzhener,
retsenzent; KHAYMOVICH, Ye.M., professor, doktor tekhnicheskikh
nauk, retsenzent; NESTERENKO, D.M., tekhnicheskiiy redaktor

[Calculations for transverse planing machines] Raschet poperechno-
strogal'nykh stankov. Kiev, Gos. nauchno-tekhn. izd-vo mashino-
stroit. lit-ry, 1952. 100 p. [Microfilm] (MLRA 7:10)
(Planing machines)

✓ Best-3185. Khaimovich, E. M., H. ...
... hydraulic controls for machine ...
Moscow, Mashgiz, 1948, pp. ...
Rev. 3454.

The principles and structural ...
... controls are described, and ...
drives are described, and ...
drives. The book is intended for work ...
tion of hydraulic mechanisms.

Chapter I describes the principles ...
drive and gives a typology of the ...

Chapter II examines the principles ...
even in machine tool hydraulic drives.
Chapter III ...

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Khachnavick

... the aspects of design and
distributing and ~~primary~~ arrangement to
systems gives diagrams of safety, by
the arrangement; by ~~means~~ of which operation
concerning machine and hydraulic systems
and back pressure control is maintained.

and back pressure control in the hydraulic system.

in hydraulic press systems, the speed of the

the speed governing the hydraulic system.

Chapter VII describes the hydraulic system.

including hydraulic actuators and hydraulic

actuators, giving their mechanical functions.

Chapter VIII analyzes the hydraulic system.

Chapter IX analyzes the hydraulic system.

Chapter X analyzes the hydraulic system.

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Chapter LXXXIII analyzes the hydraulic system.

OREBEN', I.I., redaktor; GROZIN, B.D., redaktor; GUL'KO, M.M., redaktor;
LYCH, N.M., redaktor; ORLIKOV, M.L., redaktor; FAYNERMAN, I.D.,
redaktor; KHAYMOVICH, Ye.M., redaktor; SERDYUK, V.K., inzhener,
redaktor; BUDENSKIY, Ya.V., tekhnicheskij redaktor.

[Automation in machine building] Avtomatizatsiya v mashinostroeni.
Kiev, Gos.nauchno-tekhn. izd-vo mashinostroitel'noi lit-ry, 1955.
289 p. [Microfilm] (MLRA 9:1)

1. Vsesoyuznoye nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy
promyshlennosti. Kiyevskoye oblastnoye otdeleniye.
(Automation) (Mechanical engineering)

KHAYMOVICH, Ye.M.

Some problems in the theory and calculation of hydraulic servomechanisms
used with metal-cutting machine tools. Trudy Sem. po teor. mash. 14 no.56:
48-58 '55. (MLRA 8:7)

(Servomechanisms) (Machine tools--Hydraulic driving)

KHAYMOVICH, Ya.M.

"Electro-hydraulic machine drives."

Programmed Control of Metal Cutting Machines. report presented at
All-Union Conference, Moscow, 13-15 Nov 1957
Vestnik Ak. Nauk SSSR, 1958, No. 2, pp. 113-115, (author Kobrinskiy, A. Ye.)

(5) ~~_____~~

... ..

Механика-техника человека обобщает машинистроительный программный пакет...
Ключевые слова: техника
Механика-техника человека и взаимодействие в машинистроительстве; [сокращение Articles]
section and Anticipation in Machine Manufacturing; [сокращение Articles]
Moscow, 1999. 256 p. 0,000 copies printed.
Механика-техника человека обобщает программный пакет...
Спонсор: Agency...
...механика-техника человека.

M. of Publishing House: M.S. Sorokan; Chief M. (Southern Division, Moscow);
 V.I. Serdyuk, Rectory Editorial Board: M.M. Gol'bo, S.M. Zaslavsky,
 A.A. Lopata, M.L. Igra, M.L. Orlov, I.D. Pysmenskiy, Ye.M. Daryanovich (Moscow),
 M.I. and G.I. Daryanovskiy.

purpose. This book is intended for engineering and technical personnel in machine and instrument manufacturing plants and scientific research institutions.

CORRECTION: This book contains reports made by members of machine and instrument manufacturing plants, scientific research facilities, and educational institutions at the 2nd Kiev Scientific and Technical Conference devoted to problems of mechanization of the design and production processes. The reports were submitted to the Kiev State Administration of the FPO Machine-Tool Industry and Technical Division of the Machine-Making Industry (Scientific and Technical Division of the FPO Enterprise) (Scientific and Technical Division of the Instrument-Making Industry). These reports describe current problems encountered in automation practices in mechanical engineering and instrument-making enterprises, e.g., technological and control operations, automated systems, automatic manufacturing machines and instruments (Gibson, B.M.; Zaslavskiy, A.G.; Kuznetsov, V.I.; Maslennikov, I.V.; Ponomarev, N.A.; Shchegolev, S.N.; Tsygankov, V.L.; Zhukovskiy, M.S.; Kiselevskiy, G.M.; Krasnitskiy, and A.M.). Further participation is requested from all interested persons.

In preparing the Society
selection of Laws of Motion and Drive Diagrams of the Working Elements of
Automatic Machines (N.L. Galloway)

Problems in the Application of South-setting Machines (A.S. Viktor)	72
Improving the Operational Capabilities of the Clamping Mechanisms on Automobile Lathes (A.Zh. Lyudsk)	87

Automatic Tooling Setup on Automatic and Semi-automatic Lathes (M.P. Brundage) 97

Some Problems in the Operating of Automatic Lathes for Manufacturing Bolts and Nuts (M.M. Chelimo) 104

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See of Hydraulic Cargo Drives on Preliminary Designing Diagram (2.3.2)

Some Problems of Mechanization and Automation of Weaving Processes (I. I. Zakharenko)

PROGRAMMING OF TECHNOLOGICAL PROCESSES IN MACHINE MANUFACTURING (T.M. Daynovich)

Problems of Construction and Use of Programming Devices (O.A. Sytin, N.P. Evlankina)

Present State and Prospects for the Development of Hydrodrives and Hydro-
automation in Machine Manufacture (Ye.M. Kuznetsov)

Experimental Study of Hydraulic Copying Systems at High Servo Mechanism Speeds
(A.P. Donskoy)

On Choosing Dimensions of Small Orifices in Elements of Hydraulic Mechanisms (A. I. Bezukh)

Armenian Barber for Ball Bearing Rings (F.V. Henry)

Anticells Differentiated Control of Third Dimensions (G.D. Mubajnorich)

1970s at increasing temperatures in order to determine the effect of temperature on the rate of the reaction. The results are shown in Figure 1. The rate of the reaction increases with increasing temperature, and the activation energy of the reaction is 10.5 kJ/mol.

TECHNOLOGICAL CHANGES (R.A. HARRIS)

~~KHAYMOVICH, Yefrem Moysayevich~~, prof., doktor tekhn.nauk; VLADZIYEVSKIY,
A.P., doktor tekhn.nauk, retsenzent; KARLEVITS, V.Ya., inzh.,
retsenzent; LEUTA, V.I., inzh., red.; SOROKA, M.S., red.

[Hydraulic drives and hydraulic control of machine tools] Gidro-
privody i gidroavtomatika stankov. Izd.2., perer. i dop. Moskva,
Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 553 p.
(MIRA 12:12)

(Machine tools--Hydraulic driving)
(Hydraulic control)

GURBAN, Vasil'y Yustinovich; TKACH, Vasil'y Denisovich; URUSOV, Konstantin Vasil'yevich; KHAYMOVICH, Ya.M., doktor tekhn.nauk, red.; FURER, P.Ya., red.; GORNOSTAYPOL'SKAYA, M.S., tekhn.red.

[Movable joints of pipes in hydraulic systems] Podvizhnye soedineniya truboprovodov gidravlicheskikh sist'm. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1960. 69 p. (MIRA 13:9)
(Pipe joints)

LEONOV, Andrey Yevstaf'yevich; KHAYMOVICH, Ye.M., prof., doktor tekhn.
nauk, retsenzent; PILIPENKO, Yu.P., red.

[Pumps used in hydraulic systems of machine tools and machinery]
Nasosy gidravlicheskih sistem stankov i mashin. Moskva, Gos.
nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 225 p.
(MIRA 13:12)

(Pumping machinery) (Hydraulic machinery)

TROFIMOV, Aleksey Mikhaylovich; VLASOV, A.G., inzh., retsenzent;
~~KHAYMOVICH, Ye.M.~~, doktor tekhn. nauk, prof., red.;
NIKIFOROVA, R.A., inzh., red.; GORNOSTAYPOL'SKAYA, M.S.,
tekhn. red.

[Album of machine-tool designs] Al'bom skhem metallovezhushchikh
stankov. Moskva, Mashig. Pt.1. [Lathes, drilling and boring
machinery] Tokarnye, sveril'nye i rastrochnye stanki. 1961.
50 diagrams. [Description] Opisanie. 137 p. (MIRA 15:5)
(Lathes) (Drilling and boring machinery)

VAN TSZIN-TIN [Wang Ching-t'ing], kand.tekhn.nauk; KHAYMOVICH, Ye.M.,
doktor tekhn.nauk

Automatic program control of hydraulic pumps. Mashinostroenie no.3:
101-104 My-Je '62. (MIRA 15:7)

1. Kiyevskiy politekhnicheskij institut.
(Pumping machinery) (Automatic control)

TROFIMOV, Aleksey Mikhaylovich; STOLYAR, N.M., inzh., retsenzent;
KHAYMOVICH, Ye.M., doktor tekhn. nauk, prof., red.;
NIKIFOROVA, R.A., inzh., red.; GORNOSTAYPOL'SKAYA, M.S.,
tekhn. red.

[Album of diagrams of metal-cutting machines] Al'bom skhem metallo-
reshushchikh stankov. Moskva, Mashgiz. Pt.2. [Milling, thread-
cutting, planing, broach-grinding, dressing, gear-cutting machines
and machine-assemblies] Frezernye, rez'bonareznye, strogal'nye,
protiazhnye shlifoval'nye, zatochnye, zuboobrabatyvalushchie, agre-
gatnye stanki. 1962. 69 p. — [Description] Opisanie. 252 p.
(MIRA 16:1)

(Cutting machines)

KHAYMOVICH, Ye.M., doktor tekhn. nauk; KANKESH, R., kand. tekhn. nauk

Investigating two-cascade hydraulic servosystems controlled by
nozzle flappers. Gidr. mash. i gidr. no.1:7-21 '65.
(MIRA 18:12)

1. Kiyevskiy politekhnicheskii institut.

L 20316-66 ENT(d)/ENT(m)/EMP(r)/T/EMP(k)/EMP(h)/EMP(1) DJ

ACCESSION NR: AT5022811

IR/1165 65/000/001/0007/0021

AUTHOR: Khaymovich, Ye. M. (Doctor of technical sciences); Kankesh, R.
(~~candidate of technical sciences~~)

TITLE: Investigation of two-stage hydraulic servosystems with nozzle-flap control

SOURCE: Ukraine. Ministerstvo vysshego i sredneg, spetsial'nogo obrazovaniya. Gidraulicheskiye mashiny i gidroprivod, no. 1, 1965. Issledovaniye gidravli-
cheskikh ustroystv i sistem (Investigation of hydraulic devices and systems), 7-21

TOPIC TAGS: hydraulic device, servosystem, automatic control technology, servomechanism, metal cutting machine tool

ABSTRACT: The authors report on the results of investigations, conducted in the Laboratoriya me tallorazhushchikh stankov Kiyevskogo ordena Lenina politekhnicheskogo instituta (Laboratory of Metalcutting Machine Tools, Kiev Polytechnic Institute), into the expediency of the application of two-stage hydraulic servo systems with nozzle-flap control to automatic coping machine tools. It is stated, though being only slightly more exact than standard equipment, these systems have a high degree of accuracy and rigidity. The application of dynamic and static pressure feedback make it possible to damp the oscillations

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ACCESSION NR: AT5022811

and to increase the amplification factor of the system considerably. The switching in of a choke coil between the chambers of the nozzle decreases the amplification factor and is not recommended. Dynamic analysis of an open system shows that the system is stable but does not have a large reserve of stability. This reserve may be increased by decreasing the weight of the moving components of the machine tool and by the selection of other parameters. Orig. 6 figures and 22 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: IE

NO REF SOV: 005

OTHER: 002

Card

2/2 BK

L 3403-66 EWT(d)/EWT(m)/EPF(c)/FCC/EXP(v)/FCS(1)/T/EXP(1)/EXP(1)/EXP(1)/EXP(1) DJ

ACCESSION NR: AT5022812

UR: 165/C5/000/001/0022/0032

AUTHOR: Khaymovich, Ye. M. ⁴⁴ (Doctor of technical sciences); L. Ch'ang ch'i ⁴⁴ 39

TITLE: Investigation of a hydraulic servo copying system ⁴⁴ BT1
operating at high servo rates 14

SOURCE: Ukraine. Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Gidrav-
licheskiye mashiny i gidroprivod, no. 1, 1965. Issledovaniye gidravlicheskiikh ustroystv i
sistem (Investigation of hydraulic devices and systems), 22-32

TOPIC TAGS: hydraulic device, servomechanism, metal cutting machine tool

ABSTRACT: A hydraulic servo copying system with a servo rate up to 17 m/min. is
described. It has been improved by the application of parallel slots to the slave valve and
its servo rate is greater than that of the IKSV-2 system. Tests and analyses of the system
lead to the following conclusions: This system outgazes the static and dynamic
characteristics functions considerably better than the system described elsewhere.
Obtuzhenka nekruglykh profilov metodom gidravlicheskogo kopirovaniya
na rezushchikh stankakh. Aktsiya. The accuracy of the

Card 1/2

2003-66

EXPRESSION NR AT5022812

[illegible]

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: LE

NO REF SOV: 005

OTHER: 000

Card 2/2

RP

KHAYMOVSKIY, D.I.; SAITBAYEVA, T.R.

Reinforced therapy of syphilis with novarsan. Vest, vener. no.2:
20-21 Mr-Apr '50. (CIML 19:3)

1. Of Uzbekistan Skin-Venereological Institute (Director -- Docent
V.N.Matveyev).

KHAYMOVSKIY, D.I., starshiy nauchnyy sotrudnik; SAIPOV, S.L.; SMOLEESKAYA,
L.K., vrach; RABINOVICH, Ye.A., vrach

Ecmonovocillin for treating syphilis in outpatients. Vest.ven. i
derm. 30 no.4:59 J1-Ag '56. (MLRA 9:10)

1. Iz Uzbekistanskogo nauchno-issledovatel'skogo kozhno-venerologi-
cheskogo instituta.

(SYPHILIS) (ANTIBIOTICS) (NOVOCAINE)